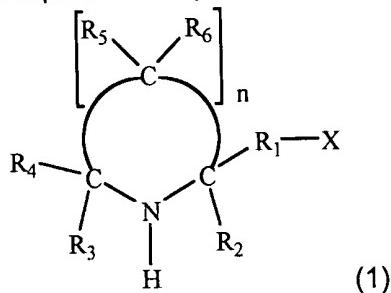


CLAIMS

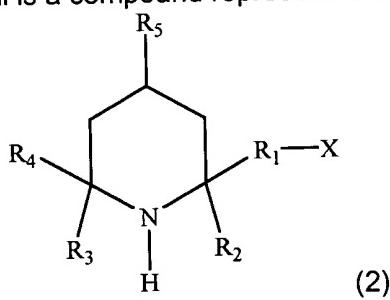
What is claimed is:

1. A light resistant colorant obtained by coupling a colorant with a light resistant material represented by Formula 1:



wherein R₁ is selected from the group consisting of a substituted or an unsubstituted alkylene of 1-20 carbon atoms, a substituted or unsubstituted heteroalkylene of 1-20 carbon atoms, a substituted or an unsubstituted arylene of 6-20 carbon atoms, and a heteroarylene of 6-30 carbon atoms; R₂, R₃ and R₄ are independently selected from the group consisting of a hydrogen, a substituted or unsubstituted alkyl of 1-4 carbon atoms, and a substituted or unsubstituted heteroalkyl of 1-4 carbon atoms; R₅ and R₆ are independently selected from the group consisting of a hydrogen, an alkyl of 1-20 carbon atoms, a heteroalkyl of 1-20 carbon atoms, an aryl of 6-20 carbon atoms, and a heteroaryl of 6-20 carbon atoms; X is selected from the group consisting of a halogen, a hydroxyl, an amino, carboxylic acid or a salt thereof, sulfonic acid or a salt thereof, and phosphoric acid or a salt thereof; and n is an integer of 1-5.

2. The light resistant colorant according to claim 1, wherein the light resistant material is a compound represented by Formula 2:



wherein R₁ is selected from the group consisting of a substituted or an unsubstituted alkylene of 1-20 carbon atoms, a substituted or an unsubstituted heteroalkylene of 1-20 carbon atoms, a substituted or an unsubstituted arylene of 6-20 carbon atoms, and a heteroarylene of 6-30

carbon atoms; R₂, R₃ and R₄ are independently selected from the group consisting of a hydrogen, a substituted or an unsubstituted alkyl of 1-4 carbon atoms, and a substituted or an unsubstituted heteroalkyl of 1-4 carbon atoms; R₅ is selected from the group consisting of a hydrogen, an alkyl of 1-20 carbon atoms, a heteroalkyl of 1-20 carbon atoms, an aryl of 6-20 carbon atoms, and a heteroaryl of 6-20 carbon atoms; and X is selected from the group consisting of a halogen, a hydroxyl, an amino, carboxylic acid or a salt thereof, sulfonic acid or a salt thereof, and phosphoric acid or a salt thereof.

3. The light resistant colorant according to claim 1, wherein the colorant is a dye or a pigment.

4. A composition comprising:

the light resistant colorant according to claim 1; and
a carrier medium.

5. The composition according to claim 4, wherein the carrier medium is one of: water, at least one organic solvent, and a mixture thereof.

6. The composition according to claim 4, wherein, when the carrier medium is a mixture of water with at least one organic solvent, the organic solvent is added to the composition in an amount of 5 to 50 parts by weight based on 100 parts by weight of the composition.

7. The composition according to claim 5, wherein the organic solvent is selected from the group consisting of alcohols, ketones, esters, polyhydric alcohols, lower alkyl ethers, nitrogen-containing compounds, and sulfur-containing compounds.

8. The composition according to claim 4, further comprising at least one selected from the group consisting of a dispersing agent, a viscosity modifier, a surfactant, a wetting agent, a penetrant, a pH-adjustor, and a metal oxide.

9. A composition comprising:

the light resistant colorant according to claim 2; and
a carrier medium.

10. A composition comprising:

the light resistant colorant according to claim 3; and
a carrier medium.

11. The composition according to claim 6, wherein the organic solvent is selected from the group consisting of alcohols, ketones, esters, polyhydric alcohols, lower alkyl ethers, nitrogen-containing compounds, and sulfur-containing compounds.

12. The composition according to claim 7, wherein the alcohol/alcohols is/are selected from the group consisting of methyl alcohol, ethyl alcohol, n-propyl alcohol, isopropyl alcohol, n-butyl alcohol, sec-butyl alcohol, t-butyl alcohol, and isobutyl alcohol.

13. The composition according to claim 7, wherein the ketone/ketones is/are selected from the group consisting of acetone, methylethyl ketone, and diacetone alcohol; ester such as ethyl acetate and ethyl lactate.

14. The composition according to claim 7, wherein the ester/esters is/are selected from the group consisting of ethyl acetate and ethyl lactate.

15. The composition according to claim 7, wherein the polyhydric alcohol/polyhydric alcohols is/are selected from the group consisting of ethyleneglycol, diethyleneglycol, triethyleneglycol, propyleneglycol, butyleneglycol, 1,4-butanediol, 1,2,4-butanetriol, 1,5-pentanediol, 1,2,6-hexanetriol, hexyleneglycol, glycerol, glycerol ethoxylate, and trimethylolpropane ethoxylate.

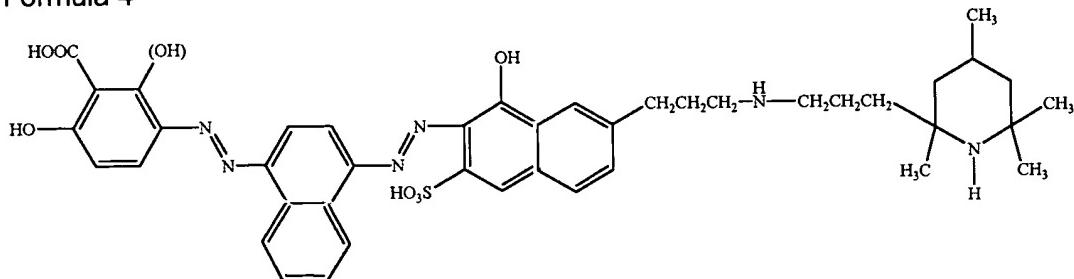
16. The composition according to claim 7, wherein the lower alkyl ether/ethers is/are selected from the group consisting of ethyleneglycol monomethyl ether, ethyleneglycol monoethyl ether, diethyleneglycol methyl ether, diethyleneglycol ethyl ether, triethyleneglycol monomethyl ether, and triethyleneglycol monoethyl ether.

17. The composition according to claim 7, wherein the nitrogen-containing compound/compounds is/are selected from the group consisting of nitrogen-containing compound such as 2-pyrrolidone and N-methyl-2-pyrrolidone.

18. The composition according to claim 7, wherein the sulfur-containing compound/compounds is/are selected from the group consisting of dimethyl sulfoxide, tetramethylenesulfone and thioglycol.
19. The composition according to claim 11, wherein the alcohol/alcohols is/are selected from the group consisting of methyl alcohol, ethyl alcohol, n-propyl alcohol, isopropyl alcohol, n-butyl alcohol, sec-butyl alcohol, t-butyl alcohol, and isobutyl alcohol.
20. The composition according to claim 11, wherein the ketone/ketones is/are selected from the group consisting of acetone, methylethyl ketone, and diacetone alcohol; ester such as ethyl acetate and ethyl lactate.
21. The composition according to claim 11, wherein the ester/esters is/are selected from the group consisting of ethyl acetate and ethyl lactate.
22. The composition according to claim 11, wherein the polyhydric alcohol/polyhydric alcohols is/are selected from the group consisting of ethyleneglycol, diethyleneglycol, triethyleneglycol, propyleneglycol, butyleneglycol, 1,4-butanediol, 1,2,4-butanetriol, 1,5-pentanediol, 1,2,6-hexanetriol, hexyleneglycol, glycerol, glycerol ethoxylate, and trimethylolpropane ethoxylate.
23. The composition according to claim 11, wherein the lower alkyl ether/ethers is/are selected from the group consisting of ethyleneglycol monomethyl ether, ethyleneglycol monoethyl ether, diethyleneglycol methyl ether, diethyleneglycol ethyl ether, triethyleneglycol monomethyl ether, and triethyleneglycol monoethyl ether.
24. The composition according to claim 11, wherein the nitrogen-containing compound/compounds is/are selected from the group consisting of nitrogen-containing compound such as 2-pyrrolidone and N-methyl-2-pyrrolidone.
25. The composition according to claim 11, wherein the sulfur-containing compound/compounds is/are selected from the group consisting of dimethyl sulfoxide, tetramethylenesulfone and thioglycol.

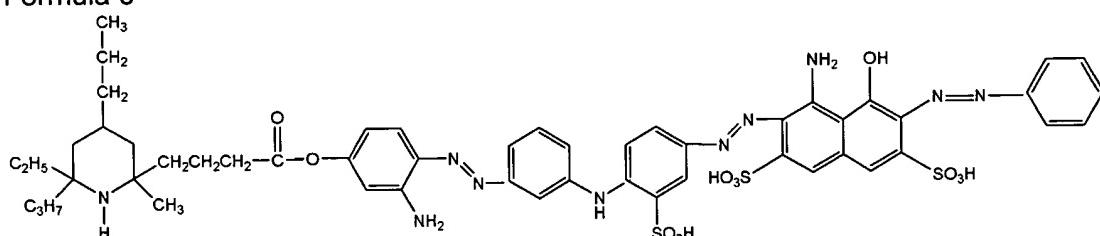
26. The light resistant colorant according to claim 1, wherein the light resistant colorant is a compound represented by Formula 4:

Formula 4



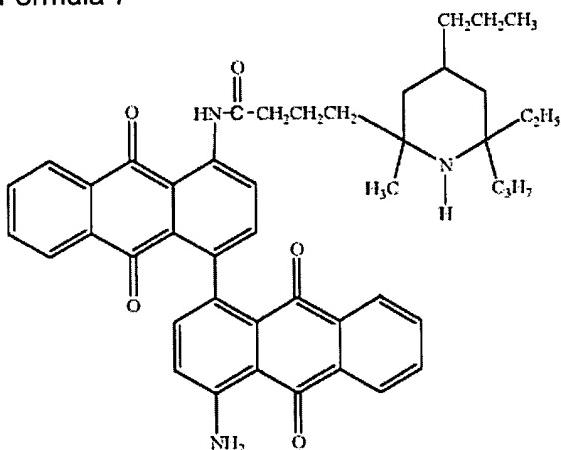
27. The light resistant colorant according to claim 1, wherein the light resistant colorant is a compound represented by Formula 6:

Formula 6



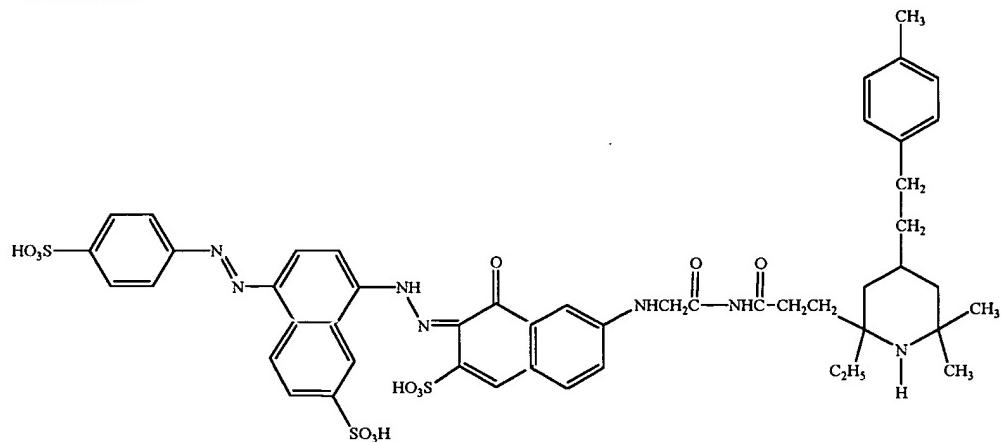
28. The light resistant colorant according to claim 1, wherein the light resistant colorant is a compound represented by Formula 7:

Formula 7



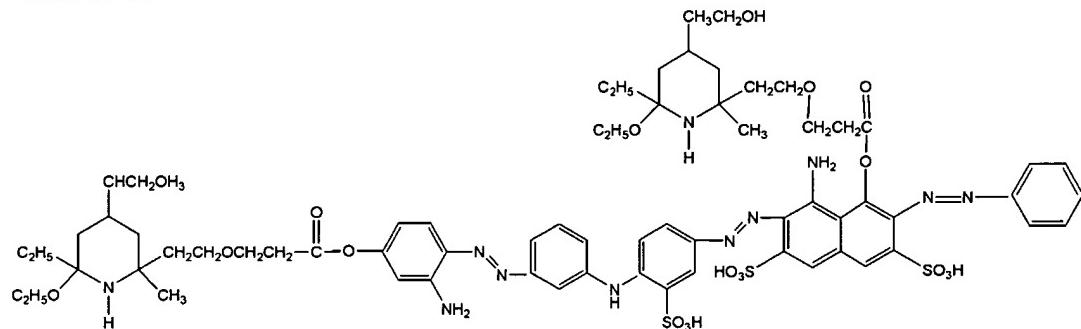
29. The light resistant colorant according to claim 1, wherein the light resistant colorant is a compound represented by Formula 9:

Formula 9



30. The light resistant colorant according to claim 1, wherein the light resistant colorant is a compound represented by Formula 11:

Formula 11



31. The light resistant colorant according to claim 1, wherein the light resistant colorant is a compound represented by Formula 13:

Formula 13

